1 ~~17.~~ A computer-implemented method for managing a dynamic Web page

2 generation request to a Web server, said computer-implemented method comprising the

3 steps of:

4   routing a request from a Web server to a page server, said page server receiving

5 said request and releasing said Web server to process other requests wherein said routing

6 step further includes the steps of:

7   intercepting said request at said Web server and routing said request to said page

8 server;

9   processing said request, said processing being performed by said page server

10 while said Web server concurrently processes said other requests; and

11   dynamically generating a Web page in response to said request, said Web page

12 including data dynamically retrieved from one or more data sources.

1 ~~18.~~ The computer-implemented method in Claim ~~17~~ wherein said step of routing

2 said request includes the steps of:

3   routing said request from said Web server to a dispatcher; and

4   dispatching said request to said page server.

1 ~~19.~~ The computer-implemented method in Claim ~~17~~ wherein said step of

2 processing said request includes the step of identifying said one or more data sources

3 from which to retrieve said data.

1   4 20. The computer-implemented method in Claim 17 wherein said step of

2   dynamically generating said Web page includes the step of dynamically retrieving said

3   data from said one or more data sources.

1   21. The computer-implemented method in Claim 17 wherein said step of

2   processing said request includes the step of said page server maintaining a connection

3   cache to said one or more data sources.

1   22. The computer-implemented method in Claim 17 wherein said step of

2   processing said request includes the step of logging into said one or more data sources.

1   23. The computer-implemented method in Claim 17 wherein said step of

2   dynamically generating said Web page includes the step of maintaining a page cache

3   containing said Web page.

1   24. The computer-implemented method in Claim 17 wherein said page server

2   includes tag-based text templates for configuring said Web page.

1   25. The computer-implemented method in Claim 24 wherein said step of

2   processing said request further includes the step of inserting said dynamically retrieved

3   data from said one or more data sources into said tag-based text templates.

1   26. The computer-implemented method in Claim 24 wherein at least one of said

2   tag-based text templates drives a format of the data dynamically retrieved from said one

3   or more data sources in response to said request.

1   _2̸7̸_. The computer-implemented method in Claim 2̸4̸ wherein said tag-based text

2   templates include HTML templates.

1   _2̸8̸_. The computer-implemented method in Claim 1̸7̸ wherein said step of

2   processing said request further includes the step of dynamically updating data at said one

3   or more data sources.

1   _2̸9̸_. The computer-implemented method in Claim 1̸7̸ wherein said step of

2   processing said request further includes the step of processing an object handling

3   extension.

1   _3̸0̸_. The computer-implemented method in Claim 2̸9̸ wherein said object handling

2   extension is an OLE extension.

1   _3̸1̸_. A computer-implemented method comprising the steps of:

2   transferring a request from an HTTP-compliant device to a page server, said page

3   server receiving said request and releasing said HTTP-compliant device to process other

4   requests wherein said transferring step further includes the steps of:

5   intercepting said request at said HTTP-compliant device and transferring said

6   request to said page server;

7   processing said request, said processing being performed by said page server

8   while said HTTP-compliant device concurrently processes said other requests; and

9   dynamically generating a page in response to said request, said page including

10   data dynamically retrieved from one or more data sources. .

1   *16*
        32. The computer-implemented method in Claim 31 wherein said step of

2   transferring said request includes the steps of:

3   transferring said request from said HTTP-compliant device to a dispatcher; and

4   dispatching said request to said page server.

1   *17*
        33. The computer-implemented method in Claim 31 wherein said step of

2   processing said request includes the step of identifying said one or more data sources

3   from which to retrieve said data.

1   *18*
        34. The computer-implemented method in Claim 31 wherein said step of

2   dynamically generating said page includes the step of dynamically retrieving said data

3   from said one or more data sources.

1   *19*
        35. The computer-implemented method in Claim 31 wherein said step of

2   processing said request includes the step of said page server maintaining a connection

3   cache to said one or more data sources.

1   *20*
        36. The computer-implemented method in Claim 31 wherein said step of

2   processing said request includes the step of logging into said one or more data sources.

1   *21*
        37. The computer-implemented method in Claim 31 wherein said step of

A

2 dynamically generating said page includes the step of maintaining a page cache

3 containing said page.

1 38. The computer-implemented method in Claim 31 wherein said page server

2 includes tag-based text templates for configuring said page.

1 39. The computer-implemented method in Claim 38 wherein said step of

2 processing said request further includes the step of inserting said dynamically retrieved

3 data from said one or more data sources into said tag-based text templates.

1 40. The computer-implemented method in Claim 38 wherein at least one of said

2 tag-based text templates drives a format of the data dynamically retrieved from said one

3 or more data sources in response to said request.

1 41. The computer-implemented method in Claim 38 wherein said tag-based text

2 templates include HTML templates.

1 42. The computer-implemented method in Claim 31 wherein said step of

2 processing said request further includes the step of dynamically updating data at said one

3 or more data sources.

1 43. The computer-implemented method in Claim 31 wherein said step of

2 processing said request further includes the step of processing an object handling

3 extension.

1   28   44. The computer-implemented method in Claim 43 wherein said object handling

2   extension is an OLE extension.

1   45. A computer-implemented method comprising the steps of:

2   transferring a request from an HTTP-compliant device to a dispatcher;

3   maintaining dynamic information regarding data sources a given page server may

4   access;

5   dispatching said request to an appropriate page server based on said request and

6   based on said dynamic information, said page server receiving said request and releasing

7   said HTTP-compliant device to process other requests;

8   processing said request, said processing being performed by said page server

9   while said HTTP-compliant device concurrently processes said other requests; and

10   dynamically generating a page in response to said request, said page including

11   data dynamically retrieved from one or more data sources.